WANT CASH FOR HEALTH

Board Makes New Estimates of Costs.

The Board of Health having prepared a new estimate of its proposed expenses for the coming *
year, the letter containing the *
items and reasons for asking the * amounts is given below at the rethe publication in a morning con-temporary having been incomplete, * in that certain essential points * were amitted

**************** Honolulu, H. T., May 18, 1961.

William H. Wright, Esq., Treasurer of the Territory of Hawaii.
Sir: The Board of Health has, upon of the recommendation contained in your communication of the 8th Inst., careful-ly investigated the estimated appropriations required by the Board of Health for the coming blennial period as sub-mitted in the Governor's recommendation to the Legislature and in the report of the President of this Board from No-vember 10, 1990, to February 1, 1901, and

beg leave to submit the following: The sole ground upon which this report is made is that stated in your commu-nication mentioned above, "the desira-bility of strict economy being observed in all the departments of Government quirements;" otherwise the Board would not feel justified in cutting down any of the items as already recommended.

The Board has approached the work of cutting down items affecting a de-partment, as well and as economically organized as this one now is, with considerable hesitation. To cripple so important an institution would be a serious matter. With this in view the Board has attempted to rearrange the estimates to conserve and in some cases to strengthen the more essential items; in others to cull out and cut down those not so essential, ...e Board feels that its recommendations herewith submitted will not cripple the organization of the department in any way but will give the most effect to the least amount of money the Board can possibly get along with, besides resulting in an appreciable step towards economy in current ex-pense, salaries and pay rolls, especially. A few items such as steamer and run-

ning expenses, quarantine and fumigation expense, buildings for non-leprous children of lepers, etc., have been added to the estimates already made for rea-sons hereinafter stated and in order that the same may be considered with necessities of the other departments the Government. The Board feels that the added items are entitled to spe-cial consideration not only for the reasons hereinafter advanced, in each case but on account of the long step secured towards economy by recommendations of the committee on garbage and excavator service adopted by the Board on May 17, 1901, as follows:

"Resolved, That the charges for exca-vator service be made twice the amount now asked for such service; that the Board forthwith appoint a committee to draw up a scale of prices for garbage service; that as soon as practicable the present regulation for free garbage ser-

vice be rescinded." The above action will affect a saving to the Government of approximately \$70,-000, together with:

Subsidy to Libue Hospital Subsidy to Consumptive Ward .. 5,000 00 Subsidy to Kapiolani Maternity 4,500 00

The Board feels that the above subsidies should be transferred to some other department as this Board has no control of the subject matter.

In conclusion the Board desires to re-iterate that the estimates submitted in the Governor's recommendations are not any too ample to carry on this impordepartment, such estimates being based on very close lines of economy; that the estimates herewith submitted were based solely on the ground of the grave necessity of strict economy being observed in all departments of the government; that the department will be pushed to get on with the estimates herewith submitted and can not possibly get along with anything less, in pay rolls and current expenses especially; that the department is doing all in its power. particularly in connection with the exca-vator and garbage service, to curtail its expenses in view of assisting the Govern-ment through, what has been asserted, a shortage of funds.

Estimated appropriations required by the Board of Health for the coming bi-ennial period: Salary of executive officer \$ 5,400 00 Monthly salary 225 00
Salary f secretary 3,000 00

departments for a secretary is \$3,600. The amount of work and the responsibility incurred does justify a greater amount in this case. Salary of city sanitary officer. 3,600 00

fice are important and arduous, \$159 is considered a sufficient compensation. For that sum there are many good men qual-ified for this position and willing to wore.
Salary of food commissioner

Balary of food commissioner and analyst . Monthly salary \$ 16,800 00 A saving on the above of \$1,000 for the

period. Note-The Governor's estimate of salary for the president of the Board of Health, \$7,200, is also eliminated, no provision having been made by the Legisla-ture creating a salaried position. Pay of Government physicians. \$ 29,120 60 Monthly Salaries

Koloa, Kaual . Honolulu, two city physicians... Walanae, Oahu

tion is no more difficult than Riverampoles and Residentia MillioReal The firm is raised to \$100 on

work does not justify at high alcoku. Mkot tivel. Many

Practically is plontation post Sinkawao, Maul

Hana, Maul Kahala, Hawaii Hannakon, Hawaii a salary Item amenged to read Hilo d Olna, Hawaii no, Hawaii

Hawas it. Ity so high a salary. for the same reason as

South Kona

reteriologist and pathologist \$ 5000. This item is particularly recimended to stand on account the importance of the office Upon the results of bacterio logical examinations the coard tious diseases. Post-mortems the number of wosen are daily increasing, are performed by this officer. Other duties relate

visits to the Kalihi Receiv-Station, examination leper suspects, bacteriologically, making of cultures of bacteria of infectious diseases as they appear, the care and mainte-nance of the bacteriological specimens in the laboratory beother important This office needs a good man who cannot be obtained excent for reasonable pay. Meat inspector and veteri-

nary Amount of work and responsibility for the office does not justify so high a salary, ...e salary is made \$175 on condition that the incumbent furnish

Registrar of deaths The amount of work justifies this raise in salary. The dutles are diversified and arduous and the hours long. Fumi gation, vital statistician, other important duties belong to this office. Fumigation is carried on almost daily to preven infection from not only plague and smallpox, but also diphtheria. tuberculosis. sles and other infectious

contagious diseases. Three sanitary inspectors at Three sanitary inspectors at \$80 Milk inspector This man has to keep his own

Fish inspector . Assistant fish inspector .

The stock man was cut out for the reason that the meat inspector's salary was made \$175 on condition that he furnished his own stock man. There is no necessity for an as-sistant clerk, as the office is

combined with that of janitor and messenger, given below. Stenographer Morgue attendant Merk, janitor and messenger.

Officer for registered women \$ 1,455 00 Saved for the period on general ex-penses pay roll \$1,339; per month, \$155.

penses pay roll \$1,320; per month, \$155. expenses

Non-leprous children pay roll ... \$ 2,400 00 To curtail this item to \$1,000 Monthly Salaries --Three Sisters at \$20 Two servants at \$14

Pay of inspectors of plumbing. \$ 6,000 00 Monthly Salaries-

tor pay roll item have convinced the Board that the followon the ground of the necessity great economy. Monthly Salaries-

\$35 we dry earth closet tenders at

Saved on period for removing garbage pay roll, \$5.400; per month, \$225. Operating excavator pay roll....\$ 40,440 00 Monthly Salaries-One scow tender at \$45 , Twent-eight excavator tenders

Increase for period, \$1,440; increase per

After a most careful investigation of the salaries, pay rolls, and supply lists, etc., which go to make up the expenses oils, paints, office incidentals the administration of the leper ser-the Board cannot advise that any stion be made in the appropriation earrying on of this most impor-work with the exception of the provided in the settlerith the exception of the dishing palai to the Settle-the Board recommend to amount is barely sufficient with

of leper pay roll ... \$ 62,400 00 operintendent

Katihi Station-

Tetal Marriemener \$ 3,540.00 Monthly Balarica Thomser Depender C 00 Pet C 00 Bread E 01 Rice Reton Brogeral mores Total This Loopital remains closed unions occusion arms to open it saving for period, \$100, pay mouth, \$15.

20 00 Superintendent and aesistants Income Asylton Monthly Salaries-00 Medical asperintendent, superintendent 20 30 Intendent 20 The combining of these two 30 30 Herns will effect a saving of \$75 50 30 per month. Under the present system the asylum receives but two or three hours out of every 15.00 liventy-four of personal atten-tion from the physician in charge. The object of combin-75.00 ing the above items is to pro-10.00 wide a salary for a resident 60 00 physician of \$200 a month who will be at the same time super-intendent, which amount to \$200 of the with beard and lodging free, would offer a sufficient

onsideration to a good man, Two captains at \$50 \$ 1,630 00 One foreman at \$60 Amount of cuts equal amount of raises.

The two captains receive board and todgings at the asylum, which is part of the contact triologist and particularly receive.

This item is particularly received.

They are cut down \$10 each. The foreman is necessarily a nechanic and, moreover, does

extra duty as tare man. A re-sponsible man for this position cannot be got for any less. Twelve guards at \$35.
This figure, together board and lodging, is sufficient pay for this class of work. Guard and matron at \$25.....

Four nurses at 430 . . . One nurse not necessary. One cook for patients . . . One cook for superintendent and captains One laundryman One gardener One pol-man One hostler 5 00 Total .

.....\$ 1,066 00 Two helpers struck out and one laundryman substituted. Three helpers struck out and one gardener and one pol-man substituted. The changes are made on the ground that the Board should ask for appropriation for specific items. Our investigations have shown that in place of five helpers recommended in the Pres-ident's report the three items just pre-

ceding the item hostler are only neces-sary. The above changes effect a saving for the blennial period of \$5,304, or per month, \$221. Current Expenses-

Items— Advertisements and printing ... The addition of \$1,000 for this item is recommended on the grounds that many new blanks are needed; expense of print-ing and advertising is continually increasing with the growth of the duties of the Board. To curtail the item to \$3,000 would seriously hamper the Board in

uses to which it is put. General experience is safer to rely upon than an investigation in items of determining the amount. Such experience is shown in the past that this amount has always been insufficient. We recommend an addition of \$500 thereto on condition that the records of births, deaths and marriages of a number of years

ago are put in proper shape and rebound with part of the added amount. Stationery and postage Laboratory supplies

is likely to lead to embarrass-60 00 ment on account of the pur-28 00 pose to which the appropriation is asked, as with our growing population and other conditions 92 00 the number of bodies which 000 00 have to be buried at the ex-pense of the Government is 150 00 increasing greatly. 100 00 Increase in the above for pe-

riod, \$3,000. \$ 250 00 Medicines \$ 18,840 00 This item originally much larger was made \$2,000 upon the rec-ommendation of a former pres-ident of the Board of Health on the ground of no longer sup-plying the Government physi-cians with drugs and medicines; that the same were to be fur-nished by the physicians them-110 00 selves. This we find to be im-practicable, and we therefore 505 00 raise the item to the amount

appropriated in the last blennial period for this purpose. In-crease, \$7,000. for an appropriation to put up a building for boys. Increase,

195 00 \$5 000 Items-215 00 Bedding, furniture and clothing 1,000 00 106 00 For beds, furniture and cloth-45 00 ing for at least 240 patients for

1,000 00 30 00 asylum fuel bill for coal used in the cooking ranges amounts Improvements and repairs

> oils, paints, office incidentals and numerous small articles about the asylum. Medicines Beef, meat and fresh fish

strictest economy, and will probably be exceeded if there is an increase in the number of 225 00 inmates or a rise in the price This item was also investigat-10 00 ed and can be made to last out 210 00 only with strictest economy.

No change recommended. Items-

Relieve Home expenses 1 14m 55 Bushop Home expenses Theef and carrie Plour and other supplies \$190,000.00 No change recommended. Raisupapa store. No chatage recommended \$ 45 000 for Maintenance garbage and excu-Repairs to appliances Harness and repairs to same Hose and new appliances

Shoeing live stock
The above items can be made a last only with strictest econ-Hay and grain.
This item has been increased by \$2,000, as it appears to the Board impossible to make it last out for the purpose for which it is appropriated. Live stock Incidentals Increase for period in maintenance parbage and excavator service, \$2,000.

Running expenses garbage ere-Maintenance of hospitals 1,500 00 Items-Honolulu dispensary
Unless the new dispensary is
built, not more than \$500 is
needed for this item. Koloa hospital

This hispital has not been transferred to trustees and not subsidized as in the case of hospitals hereinafter enumerated. Amount saved, \$500. Subsidy Waimea hospital Subsidy Libue hospital This cut is made on the ground of the necessity for economy. Subsidy Malaulani Hospital

This cut is made on the ground of the necessity for economy. Subsidy to Queen's Hospital.... 29,000 00 Subsidy to consumptive ward.. Kapiolani Maternity Home

Subsidy for steamship service vice between Honolulu, Molo-kai and Maui Amount saved on above subsilies for period, \$2,600. New ward building at Insane

ward No. 2, built in 1866, the first building ever erected on the premises. A committee of the Board personally inspected this building and found same to be a wooden building in the last stages of decay and dilapidation in spite of the efforts that have been made to keep it together. It was condemned by the Su-perintendent of Public Works, Robert Sterling, in 1878, The Board are aware that the stronrest reasons and recommendaions for a new building at this place have been advanced by previous committees of this Board and by the Territorial Grand Jury, which ought to insure the appropriation asked for without further recommendation. We consider the struc-ture unfit and dangerous to live in and that the Government

assumes grave responsibilities in placing asylum inmates therein. Steamer for Board of Health Running expenses of steamer ... 35,000 00
These two items are recommended to
the consideration of the Legisland the following grounds: First-Grave inefficiency of the present

ervice. Second-Great expense of the same. The Board of Health freight and passage bills amount to about \$950 per month, while the subsidy given for such service brings the amount to about \$1,150 per month.

Third-The losses through reckless handling of cattle and freight, the responsibility for which the present car-riers absolutely refuse to assume, still further increases this amount. Fourth-The necessity, in view of the

reliable vessel for towing garbage out. It will cost approximately about \$80 a day to hire a boat for this service. Fifth-Common carrier should not car-

The Board, through one of its members, has had an estimate made and a report submitted as to the cost of a boat and running expenses, as follows:

"A steamer suitable for the purpose should have a speed of not less than eight knots per hour and should have enough space forward to handle fifty head of cattle. The type of steamer most adapted for the business under consideration is the steam schooner having large sall power. At the speed already stated such vessel would not consume more than six tons of coal is twenty-four hours. The steamer Hawaii is of type, but rather large for the pur-pose. She cost, when bought, \$32,000, and was three years old. However, at that time tonnage was much cheaper than at present, and I have no doubt that you can get a suitable vessel today from \$25,-000 to \$38,000 (say the latter figure), and I don't think you will find any difficulty in finding a vessel, for the reason that they are building nowadays much larger

ant engineer, 2 firemen, 1 cook, 1 cabin boy, 1 master. And the pay will be at the very least as follows:

Captain, certificated Chief engineer, certificated . 125 00 One assistant engineer, certificat-Ten deck-hands at \$1 per day Two firemen at \$1 per day Provisions for this crew approxi-

2.00 0 tions for girls is wholly inadequate and 6.00 0 there is no accommodation for boys, of 5.00 0 whom there are some firty still on Moto-1,000 to half ellipse with the lequire to their mor-1,000 to at and physical risk. The item provides 10,000 to fir two main buildings, one for girls 10,000 and one for hoys, each to accommodate 1,000 to first persons and also cottages for the 1,000 to first persons and also cottages for the

2,000 to work.
11,500 to Remodelling of buildings at Ka-This item is strongly recommended, it is not right that suspects who are apprehended around he brought legather with lapars in the same place.

12,000 00 there. Quarantine and fumigation ex-

pense \$\frac{10.000 00}{10.000 10}\$

This fund is to be used for ordinary fumigation and disinfecting such as is necessary almost daily in tuberculosis, typhoid fever, measies, smallpox, scarlet 1,000 00 fever cases, and as a temporary emen-gency fund against a possible serious ep-26,000 00 idemic until such time as other provisions can be made; otherwise the appro-priation will not be spent. Honolulu dispensary building ... \$25,000 00

RECAPITULATION. Amount saved by these recommendations over amounts recommended by president of Board of Health report: Salaries general officers \$ 1,000 00 General expenses pay roll . . . 1,320 00 Removing garbage pay roll Maintenance hospital pay roll ... Superintendent and assistants 5,400 W 5,304 00 insane asylum Maintenance of hospitals Subsidies . . .

\$ 16,484 00 Increase in amounts now recommended over amounts recommended in president of Board of Health report: Operating excavator pay roll ... \$ 1,440 00 Current expenses

8,000 00 Maintenance of garbage and ex-2.000 00 \$ 21,440 00

Amount recommended by president Board of Health report, \$650,288. Amount now recommended by Board of Health, \$655,244. Amount of increase, \$4,966. Governor's estimate, \$651,288. Amount saved in garbage and excava-

tor service. \$70,000. New Items—
New building, insane asylum ...\$ 30,000 00 i Remodelling morgue building ... Fumigation and quarantine 10,000 00

Respectfully submitted,
cd)
C. B. COOPER,
President Board of Health. (Signed)

HEAT OF THE STARS MEASURED

Another Remarkable Triumph Scored for the Science of Astronomy.

CHICAGO, May 11 .- A special to the Record-Herald from Williams Bay, Wis.,

Whether the stars, millions of miles away, send to the earth's surface any heat along with their rays of light, a question which has long puzzled astronomers, has been finally solved. The heat from these far-off bodies has not only measured by one of the most delicate and sensitive astronomical instruments ever made—an instrument capable of measuring the heat of a candle a mile away.

The credit for solving the problem and for constructing this delicate inondition of the tug Eleu, of having a Nichols of Dartmouth College. The expeliable vessel for towing garbage out. the Yerkes Observatory of the University of Chicago, where Professor Nich-ols spent two of his summers' vocations. The results obtained from these experiments have just been carefully reviewed and computed and sent to Pro-George E. Hale, director of the

observatory.

Prof. Nichols' experiments at the Yerkes Observatory have for the first time proved beyond a doubt that the planets and some of the fixed stars send an appreciable quantity of heat to the earth. The quantity, however, is so mi-nute that the wonder is that an instrument could be made sensitive enough to

detect it.
The instrument which can record such The instrument which can record such an infinitely small amount of heat is called a radiometer. Though based to some extent upon the same principle as the bolometer and radiomicrometer, which have been so successfully used in measuring heat rays, in construction, it is essentially different and for this purpose has proved far more effective.

The bearing of these first measure-ments of stellar heat, says Professor they are building nowadays much larger vessels of that type."

The manning of the vessel requires consideration, owing to the handling of cattle. The following list gives the smallest possible crew to handle a steamer in that trade, viz: Two boats crews of five men each, 1 donkey driver, 1 chief mate, 1 chief engineer, 1 assistant engineer, 2 firemen, 1 cook, 1 cabin any other instrument for Hale, upon the life history of stars, is very important, but general conclusions the Yerkes Observatory, will be better adapted than any other instrument for this delicate work. The glass lenses of a refracting telescope are quite opaque to some of the heat waves which reach us from the stars and for this reason a reflecting telescope of the largest size must be used in future experiments.

Professor Nichols was assisted in this valuable work by Professor Charles E. St. John of Oberlin College and A. L. Colton, formerly assistant at the Lick 45 00 Observatory.

BEWARE OF A COUGH

A cough is not a disease, but a symptom. Consumption and bronchitis. 300 00 which are the most dangerous and fatal diseases, have for their first in-

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The World

Owing to certain

Meteoric Disturbances.

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able as possible. Allow us to offer the sug-Allow us to offer the suggestion to purchase from our large stock a neat little Puritan Two-Burner Blue Flame, wickless, Kerosene Stove, price \$5.50. No danger, no odor, and economical in operation; costs one cent per hour for each burner.

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